

Message Text

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PAGE 01 MOSCOW 09679 101639Z

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S E C R E T MOSCOW 9679

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E.O. 11652: XGDS-3

TAGS: PARM, US, UR

SUBJECT: TTBT/PNE NEGOTIATIONS: REPORT OF 13TH PLENARY, JULY 10

TTBT/PNE DELEGATION MESSAGE NUMBER FIFTY-SEVEN

1. SUMMARY: THIRTEENTH PLENARY, CHAIRED BY BUCHHEIM, CONVENED AT 3:00 P.M. JULY 10, 1975. BUCHHEIM MADE STATEMENT ON OBSERVER RIGHTS AND FUNCTIONS REQUIRED TO VERIFY VALIDITY OF INFORMATION EXCHANGED TO ASSIST IN VERIFICATION USING TELESEISMIC TECHNIQUES. (MOSCOW 9660). OBSERVER RIGHTS WOULD BE REQUIRED FOR VERIFICATION OF INFORMATION FOR ALL YIELDS ABOVE 10 KILOTONS. DEPTH-OF-BURIAL WOULD BE VERIFIED FOR YIELDS ABOVE 30 KILOTONS. VERIFICATION OF GEOLOGICAL AND GEOPHYSICAL INFORMATION WOULD IN PRACTICE BE EXERCISED ONLY TO DEGREE NECESSARY. JUDGMENT AS TO WHICH AGREED RIGHTS WILL BE EXERCISED MUST LIE WITH VERIFYING SIDE. IN SUCCEEDING PLENARIES VERIFICATION BY OBSERVERS OF OTHER ASPECTS OF PNES WILL BE PRESENTED. TIMERBAEV INTRODUCED DR. SMIRNOV, A NEW MEMBER ON SOVIET SIDE OF TABLE. QUESTIONS FROM RODIONOV AND MYASNIKOV CONCERNING EXAMPLES IN US STATEMENT SEEMED AN ATTEMPT TO GENERALIZE EXAMPLES AND ENLARGE THEIR APPLICATION. FRYKLUND REPLIED THAT US SIDE MERELY CHOSE TWO EASILY-UNDERSTOOD EXAMPLES TO ILLUSTRATE EXERCISE OF OBSERVER RIGHTS AND FUNCTIONS, WHICH VERIFYING SIDE WOULD EXERCISE ONLY TO EXTENT NECESSARY. SOVIET SIDE MADE NO FORMAL STATEMENT. END SUMMARY.

SECRET

SECRET

PAGE 02 MOSCOW 09679 101639Z

2. BUCHHEIM PRESENTED PREPARED STATEMENT DEALING WITH ASPECTS OF OBSERVER RIGHTS AND FUNCTIONS. HE BEGAN BY CLARIFYING THE MEANING OF THE WORD "OBSERVER", NOTING THAT THE CUSTOMARY EQUIVALENT IN RUSSIAN HAD CONNOTATIONS WHICH WE DID NOT INTEND. ALTHOUGH WE WILL USE THE WORD "OBSERVER" WE WILL HAVE IT INTERPRETED LIKE THE RUSSIAN WORD FOR "REPRESENTATIVE."

3. BUCHHEIM DISCUSSED THE ROLE OF OBSERVERS AS IT PERTAINED TO THE VERIFICATION OF INFORMATION EXCHANGED TO ASSIST IN THE DETERMINATION OF YIELDS BY TELESEISMIC MEANS. EXPERT GROUP I HAD AGREED ON VARIOUS TYPES OF INFORMATION THAT SHOULD BE EXCHANGED DEPENDING ON YIELD AND GEOLOGIC MEDIA IN WHICH EXPLOSION OCCURRED. THE WORK OF GROUP I WAS BASED ON STIPULATION THAT THEIR CONSIDERATIONS RESTED ON ASSUMPTION INFORMATION EXCHANGED WAS VALID.

4. US BELIEVED THAT IT IS NECESSARY TO HAVE EXPLICIT RIGHT TO VERIFY INFORMATION EXCHANGED FOR ALL YIELDS ABOVE 10 KILOTONS. IN PRACTICE, HOWEVER, THE SCOPE OF OBSERVER ACTIVITIES WILL DEPEND ON ANNOUNCED YIELD AND CIRCUMSTANCES PREVAILING. IF APPROPRIATE GEOLOGICAL DESCRIPTION OF SITE ALREADY AVAILABLE, THERE MIGHT BE NO NEED TO EXERCISE OBSERVER RIGHTS TO VERIFY SUCH INFORMATION. THE KEY ITEMS THAT OBSERVERS WOULD VERIFY FOR THE PURPOSE OF TELESEISMIC YIELD DETERMINATION ARE: (1) THE EPTHS OF BURIAL FOR YIELDS ABOVE 30 KILOTONS, AND (2) THE APPROPRIATE GEOLOGIC AND GEOPHYSICAL INFORMATION PROVIDED BY THE OTHER SIDE. HE BRIEFLY NOTED THE METHODS BY WHICH THE LATTER INFORMATION WOULD BE VERIFIED.

5. ILLUSTRATIVE EXAMPLES OF HOW VERIFICATION COULD PROCEED IN PRACTICE WERE NOTED. FOR EXAMPLE, A 50-KILOTON EXPLOSION IN ANY LOCATION IN THE BALTIC OR UKRAINIAN SHIELDS WOULD NOT REQUIRE VERIFICATION BY OBSERVERS THAT GEOLOGY OF EXPLOSION SITE IS IGNEOUS OR METAMORPHIC ROCK. TERRAIN AND OTHER FEATURES OF THE NATURAL ENVIRONMENT WOULD ALSO AFFECT THE SCOPE AND EMPHASIS GIVEN TO METHODS OF VERIFYING GEOLOGICAL AND GEOPHYSICAL INFORMATION. THIS WAS ILLUSTRATED BY TWO EXAMPLES USING PAST SOVIET PNE SHOTS, ONE OF WHICH (PAMUK) WOULD HAVE REQUIRED DETAILED OBSERVATION OF CORE FROM

SECRET

SECRET

PAGE 03 MOSCOW 09679 101639Z

BOREHOLES TO VERIFY GEOLOGY WHILE THE OTHER (KOLA) WOULD HAVE REQUIRED MUCH LESS ATTENTION TO CORES TO CONFIRM GEOLOGY.

6. BUCHHEIM STATED EXAMPLES WERE ONLY TO EMPHASIZE THAT, AS PRACTICAL MATTER, AGREED OBSERVERS' RIGHTS WOULD BE EXERCISED ONLY TO DEGREE REQUIRED BY SPECIFIC PROJECT. JUDGMENT AS TO WHICH RIGHTS WOULD BE EXERCISED MUST LIE WITH VERIFYING SIDE.

7. BUCHHEIM SAID DISCUSSION TODAY TOUCHED ON ONLY ONE ELEMENT OF OBSERVER RIGHTS AND FUNCTIONS. OTHER ASPECTS WILL BE DISCUSSED IN FUTURE PLENARIES.

8. TIMERBAEV SAID US STATEMENT WOULD BE CAREFULLY STUDIED. HE THEN INTRODUCED AS A NEW MAN ON THEIR SIDE DR. SMIRNOV OF THE INSTITUTE OF APPLIED GEOPHYSICS OF THE HYDRO-METEOROLOGICAL INSTITUTE OF THE USSR.

9. RODONIOV AND MYASNIKOV ASKED QUESTIONS WHICH SOUGHT TO ASCERTAIN WHETHER THE EXAMPLES QUOTED COULD BE INTERPRETED AS REPRESENTING ACTUAL RESTRICTIONS ON OBSERVER ACTIVITIES. FRYKLUND SAID OBSERVERS COULD BE NEEDED FOR OTHER PURPOSES THAN VERIFICATION OF DATA EXCHANGED. THE EXAMPLES WERE ONLY TO SHOW THAT OBSERVER ACTIVITIES WOULD BE EXERCISED ONLY TO EXTENT NEEDED. BUCHHEIM REPEATED THAT THE JUDGMENT AS TO EXERCISE OF AGREED OBSERVER RIGHTS MUST REST WITH VERIFYING SIDE.

10. NEXT PLENARY MEETING TUESDAY, JULY 15, 10:30 A.M.

11. REFERENCE STATE 161330, FIFTH PARAGRAPH BEFORE END, WXENTIONING TTBT, ARTICLE III. RECOMMEND DELETION OF WORDS "THE CONDUCT OF" FROM SECOND SENTENCE: "ARTICLE III OF THIS TREATY CALLS FOR A SEPARATE AGREEMENT GOVERNING THE CONDUCT OF NUCLEAR EXPLOSIONS FOR PEACEFUL PURPOSES" AND, IN THEIR PLACE, INSERTION OF WORD "UNDERGROUND."

12. REFERENCE STATE 161330, FIFTH PARAGRAPH BEFORE END, IN FOURTH SENTENCE IT STATES "BOTH SIDES AGREE." IF THIS IS BASED ON SOVIET PUBLIC STATEMENT, PLEASE PROVIDE US WITH REFERENCE. IF IT HAS BEEN OR WILL BE EXPOSED TO

SECRET

SECRET

PAGE 04 MOSCOW 09679 101639Z

RESPONSIBLE SOVIET PERSON BEFORE BEING TABLED IN GENEVA, PLEASE PROVIDE US WITH NAME. IF NEITHER OF THESE, DELEGATION WOULD APPRECIATE AUTHORIZATION FOR STOESSEL TO MENTION THIS LANGUAGE TO MOROKHOV BEFORE IT IS TABLED IN GENEVA, IN VIEW OF STRONG INDICATIONS IN PAST OF EXTREME SENSITIVITY ABOUT HOLDING CONFIDENTIAL ANYTHING ABOUT CONTENT OF NEGOTIATIONS.

13. REFERENCE STATE 152574 PARAGRAPH 2(B), SEE SUMMARY OF WORKING GROUP IV MEETING ON JUNE 11 REPORTED MOSCOW 8126. IN THAT MEETING, SOVIET SIDE STATED THAT THEIR NUMBER OF 250 PLUS OR MINUS 140 WAS THE RESULT OF ACTUAL EXPERIENCE. THEY APPRECIATED THAT IT WAS SIGNIFICANTLY LESS THAN THE VALUE REPORTED IN US LITERATURE, WHICH PETROV GAVE AS 300 TO 1,000. IN RESPONSE TO QUESTIONS, PETROV STATED THAT SOVIET

DATA WAS LARGELY FROM CONTAINED EXPLOSIONS BUT DID CONTAIN SOME EXCAVATION EVENTS. HE DID NOT KNOW IF THERE WAS ANY DIFFERENCE BETWEEN VALUE FOR CONTAINED AND EXCAVATION EXPLOSIONS. FURTHER, HE SAID IT WOULD BE DIFFICULT TO GIVE A SINGLE AVERAGE FOR ALL MATERIALS AND ALL YIELDS BUT (TAKING INTO ACCOUNT AVERAGE FIGURES GIVEN BY BOTH SIDES) VALUE OF 500 COULD SERVE AS A WORKING NUMBER, RECOGNIZING THAT IT WOULD BE UNCERTAIN BY A FACTOR OF THREE. HE SAID SUCH A FIGURE WOULD COVER EXPERIENCE OF BOTH US AND USSR. IT WAS HIS OPINION THAT COMPENSATING FOR EFFECTS OF ROCK TYPE WOULD REDUCE THIS UNCERTAINTY TO A FACTOR OF TWO. DELEGATION BELIEVES WE HAVE EXPLORED SUBJECT IN AS MUCH DEPTH AS SOVIETS ARE PREPARED TO GO, AND THAT FURTHER PROBING WOULD INEVITABLY REQUIRE DISCUSSION IN MUCH GREATER TECHNICAL DETAIL.

14. FULL NAME OF NEW MAN IS LEV EVGENEVICH SMIRNOV.
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Message Attributes

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